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<p>Bakel'man, I. Ya. ON ONE CLASS OF NON-LINEAR DIFFERENTIAL EQUATIONS. [1950] [9]p. 3 refs. Order from LC or SLA mif\$1.80 phif\$1.80 t1-10681</p> <p>Trans. of Akademiya Nauk SSSR, Doklady, 1959, v. 126 no. 2, p. 244-247.</p> <p>Investigations are made of the Euclidian space Q of vectors $q = (q_1, \dots, q_n, q_1, \dots, q_n, q)$ and of the func- tion $F(q, x)$ when $q \in Q, x \in D$. Here D is the closed bounded region of the n-dimensional Euclidian space $x = (x_1, x_2, \dots, x_n)$. The boundary of D of the closed surface Γ is described in the neighborhood of each of its points x by equations $y_n = f(y_1, y_2, \dots, y_{n-1})$, where f is the twice continuously differentiable function of all its arguments. Axes y_1, y_2, \dots, y_{n-1} lie in the plane that is tangent to Γ at point X, and axis y_n is directed on the normal to Γ at point X. Three theorems are presented.</p> <p>(Mathematics, TT, v. 5, no. 10)</p>	<p>61-10681</p> <p>1. Non-linear differential equations 1. Bakel'man, I. Ya.</p> <p>151604</p> <p>Office of Technical Services</p>
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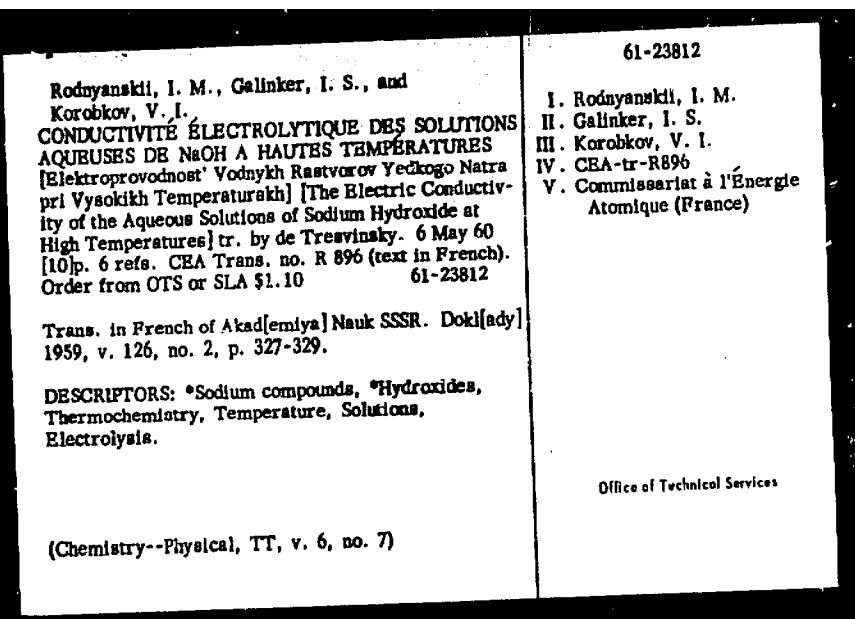
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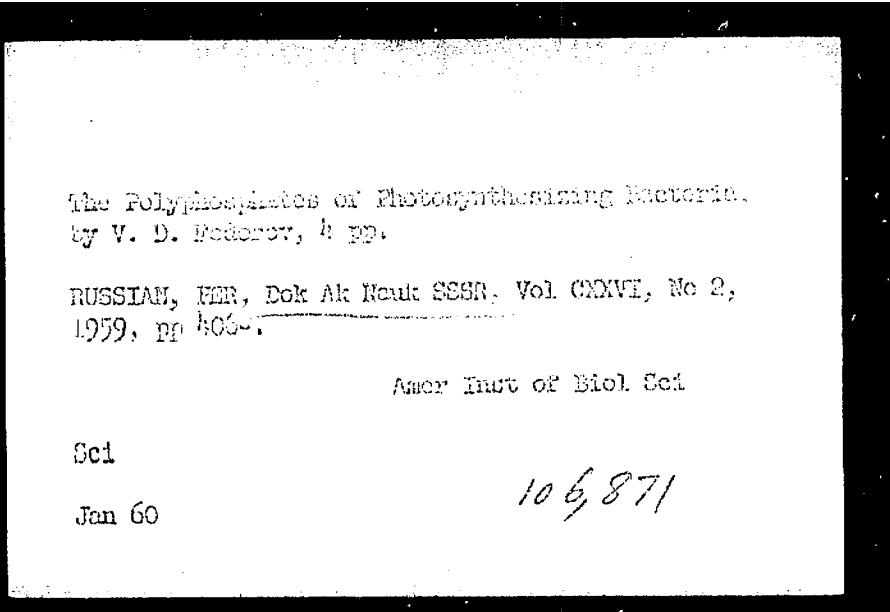
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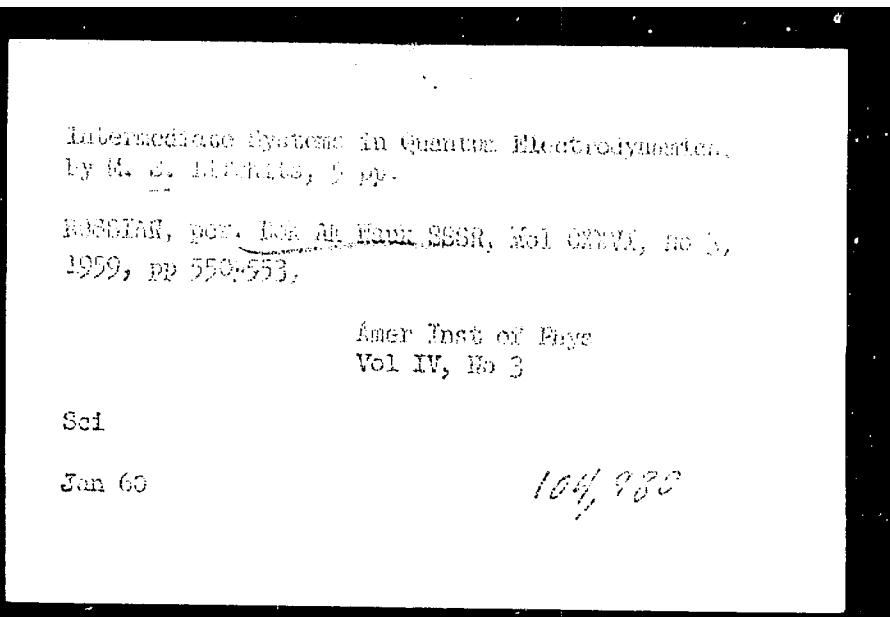
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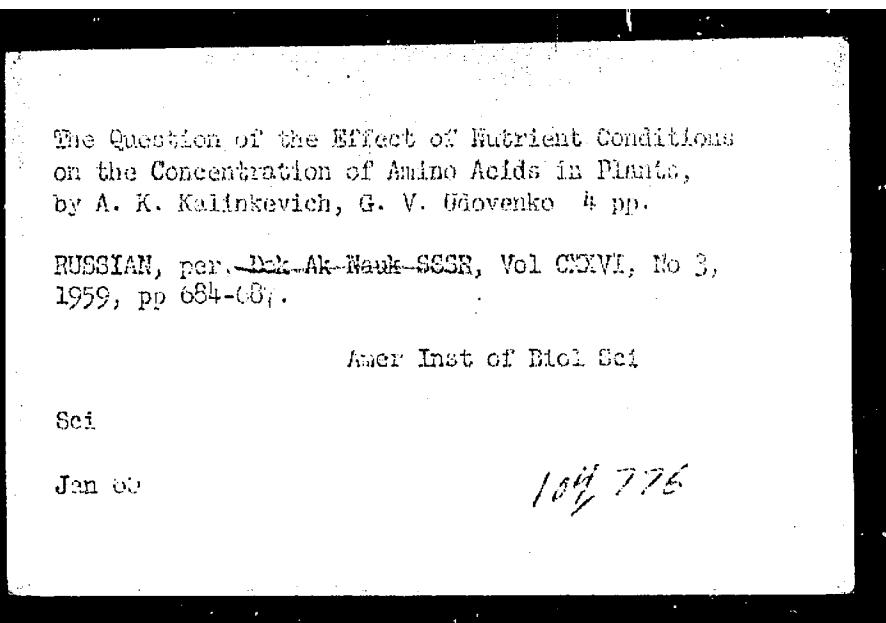
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